

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/ZL/00022

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01G19/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 894 112 A (KROLL WILLIAM P) 13 April 1999 (1999-04-13) column 3, line 27 - line 55 figures 1,7	1,43,44
A	---	2,3
X	US 3 191 701 A (GRAY TOMMY L) 29 June 1965 (1965-06-29) column 2, line 15 - line 28 figures 2,8	1,43,44
A	---	2,3
	--- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

5 May 2003

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14/05/2003

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/73/00022

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30 September 1999 (1999-09-30) -& JP 11 172207 A (MINNESOTA MINING &MFG CO &LT;3M&GT;), 29 June 1999 (1999-06-29) abstract figures 1-3	4, 6, 16, 17
A		5, 7-15, 18
X	DE 42 20 810 A (HOTTINGER MESSTECHNIK BALDWIN) 5 January 1994 (1994-01-05) column 2, line 57 -column 3, line 19 figure 1	19, 25, 27-29
A		20-24, 26, 30-42

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/ 3/00022

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5894112	A	13-04-1999	NONE	
US 3191701	A	29-06-1965	NONE	
JP 11172207	A	29-06-1999	NONE	
DE 4220810	A	05-01-1994	DE 4220810 A1	05-01-1994